

FIG. 1

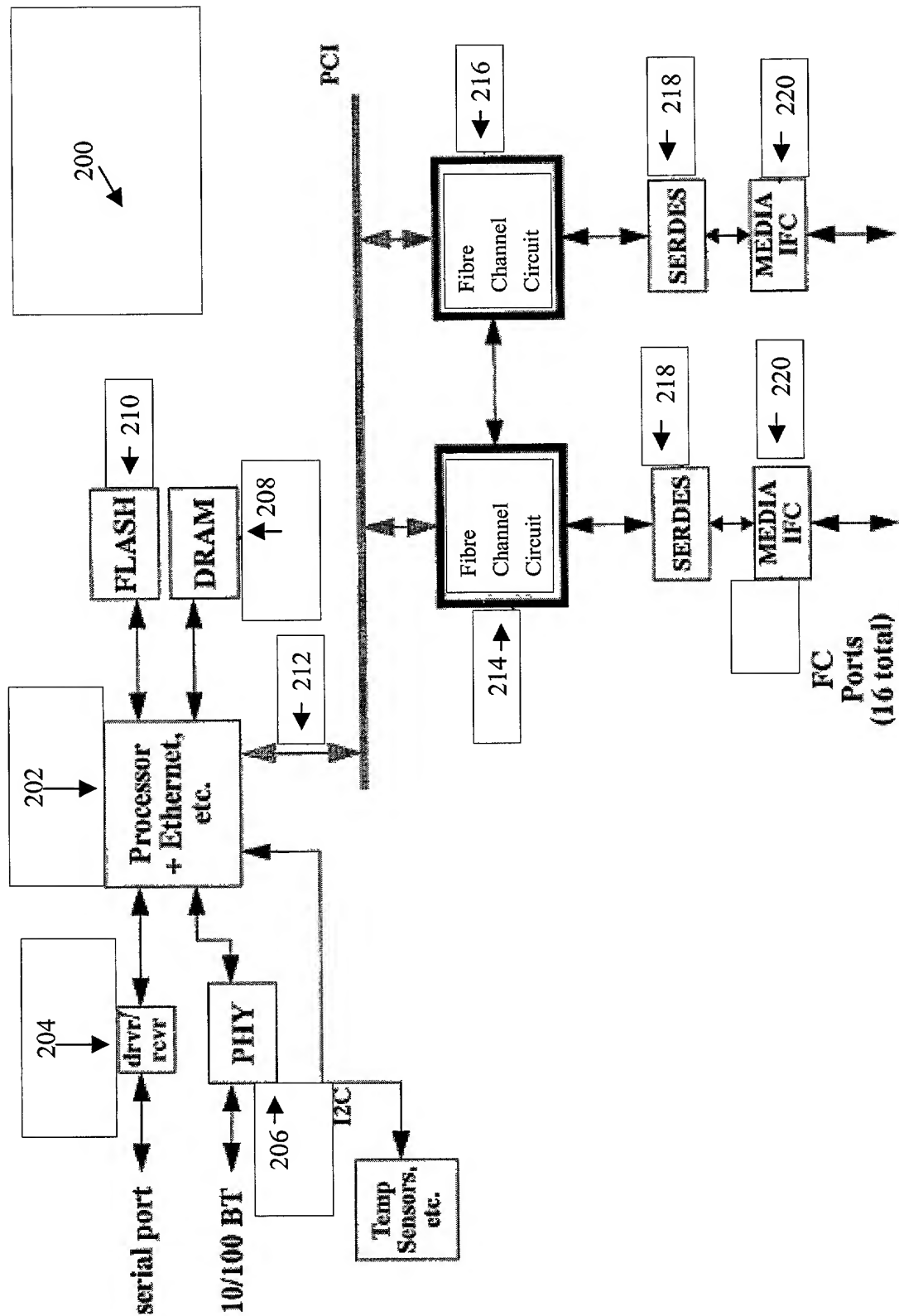


Figure 2

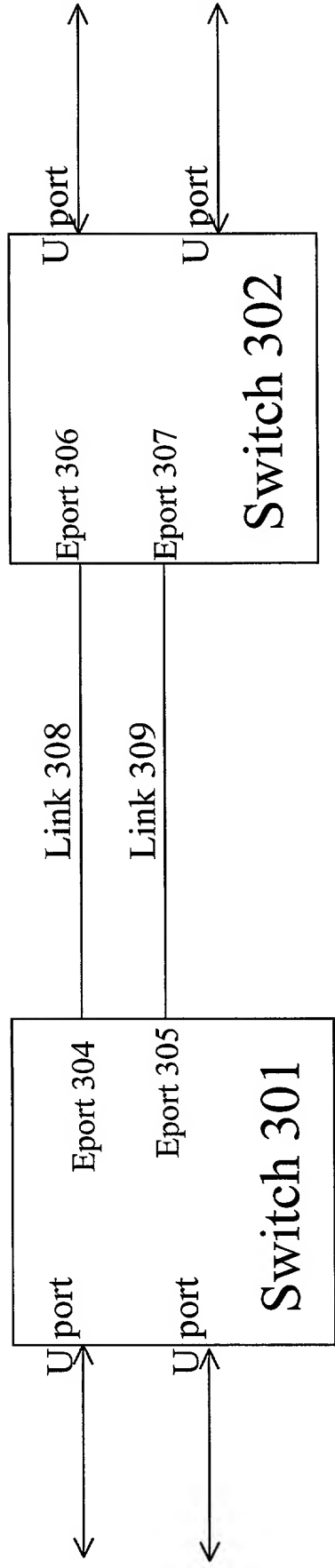


Figure 3

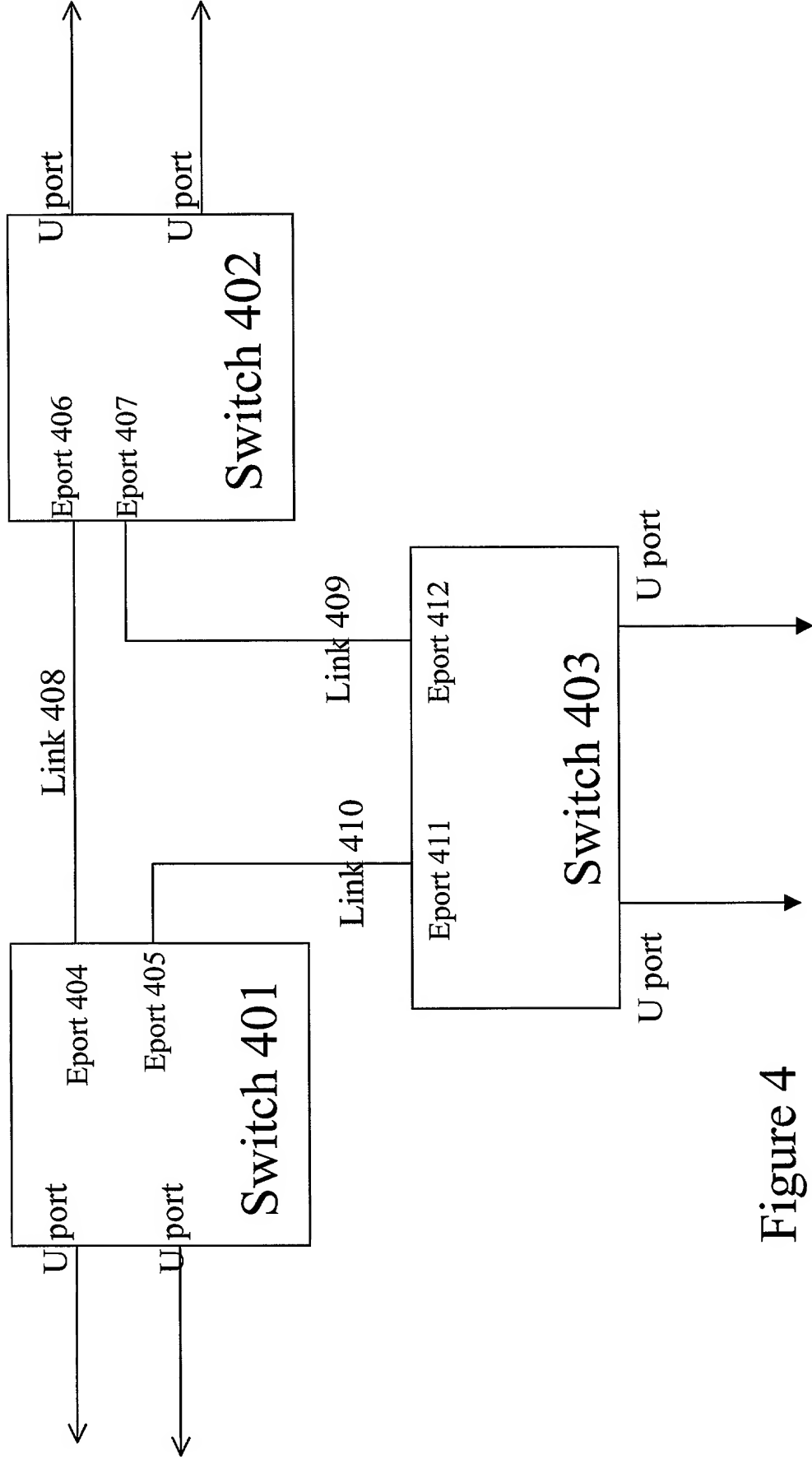


Figure 4

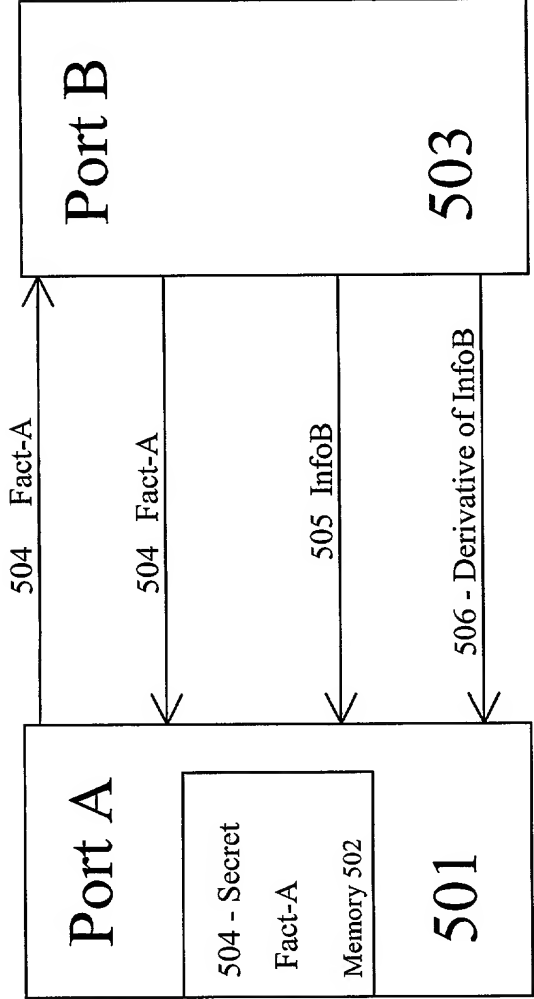


Figure 5a

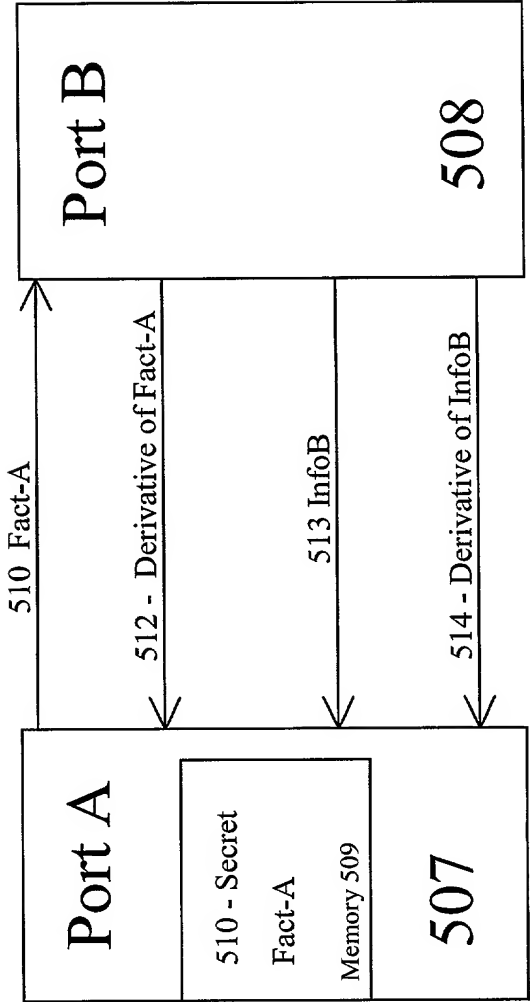


Figure 5b

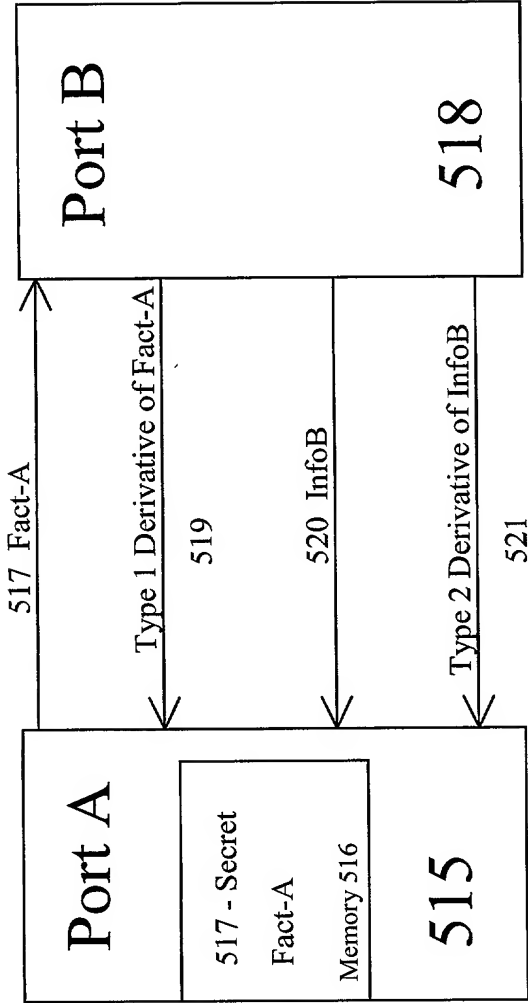


Figure 5c

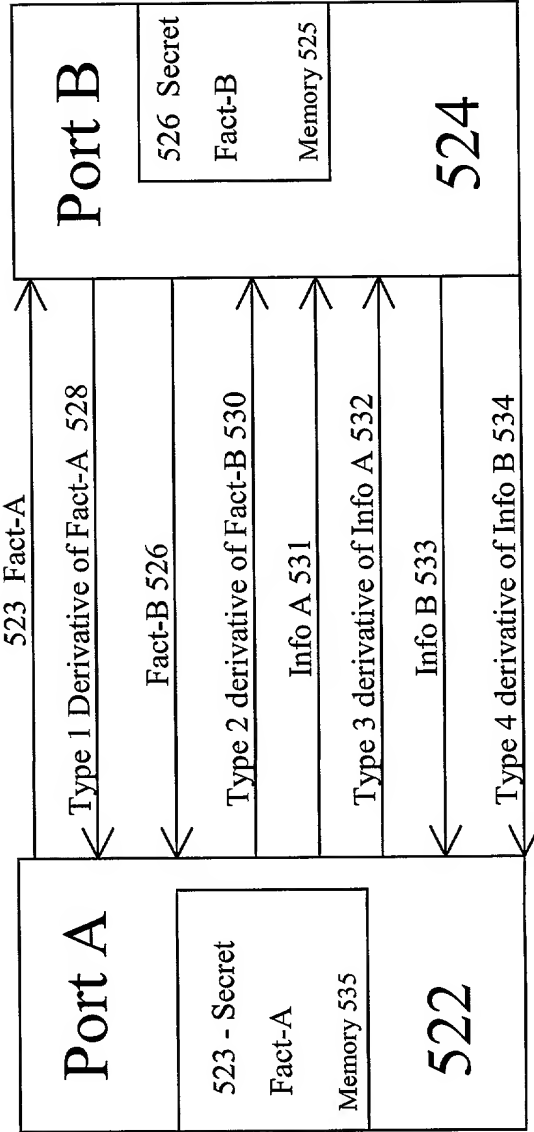


Figure 5d

Step #	Name / Function	Payload
1	Request Authentication	Secret Fact A
2	Acknowledge Request	Secret Fact B; Type 1 derivative of Secret Fact A; InfoB; Type 3-4 derivative of Info B
3	Confirm Authentication	Type 2 derivative of Secret Fact B; InfoA; Type 3-4 derivateve of InfoA

**Figure 6**

Step #	Name / Function	Payload
1	Request Authentication	Secret Fact A; InfoA; Type 3-4 derivateve of InfoA
2	Acknowledge Request	Secret Fact B; Type 1 derivative of Secret Fact A; InfoB; Type 3-4 derivative of Info B
3	Confirm Authentication	Type 2 derivative of Secret Fact B

Figure 7



Step #	Name / Function	Payload
1	Acknowledge Request	Secret Fact B; Type 1 derivative of Substitute Secret Fact A; InfoB; Type 3-4 derivative of Info B
2	Confirm Authentication	Type 2 derivative of Secret Fact B; InfoA; Type 3-4 derivateve of InfoA

Figure 8

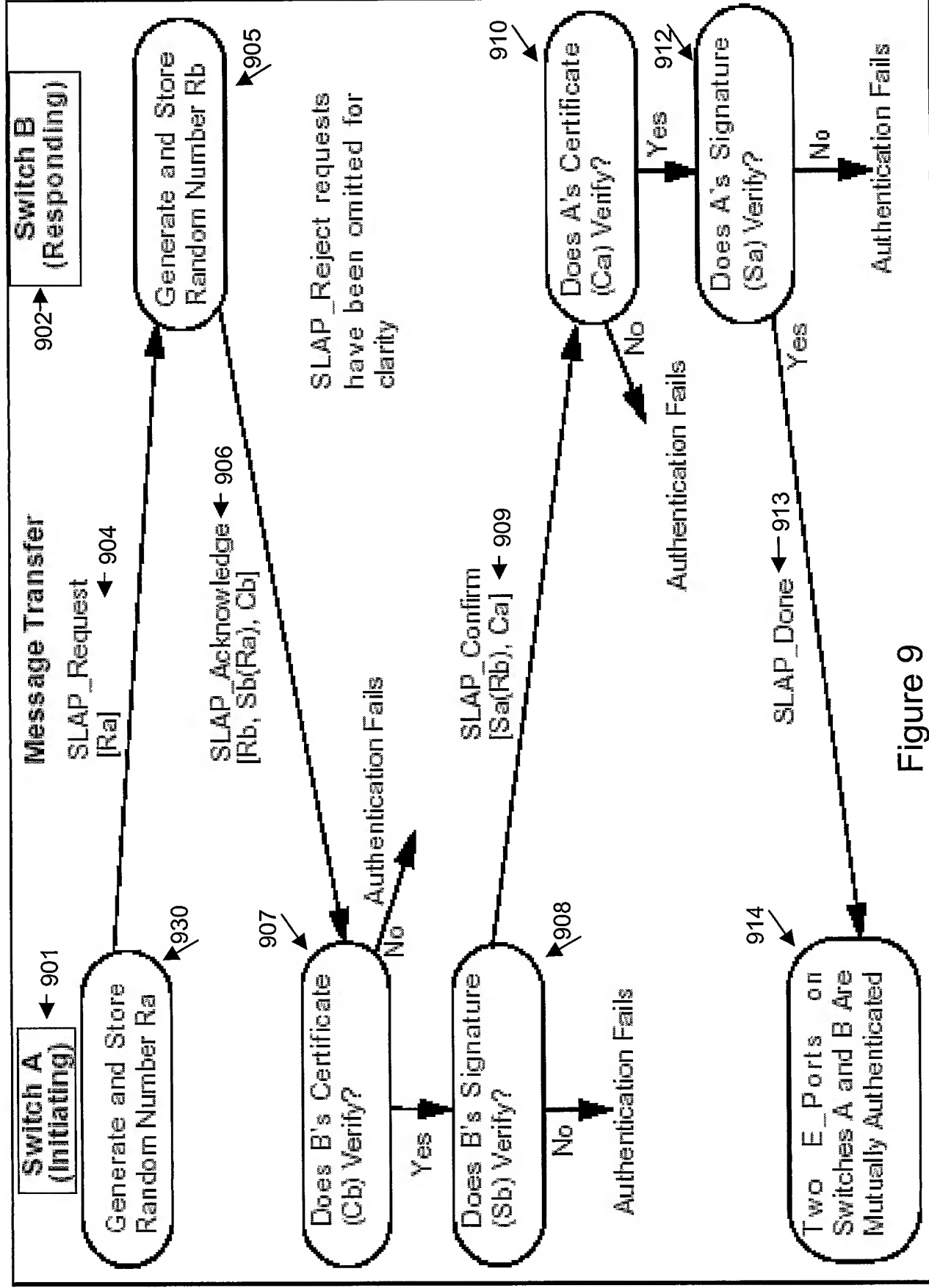


Figure 9

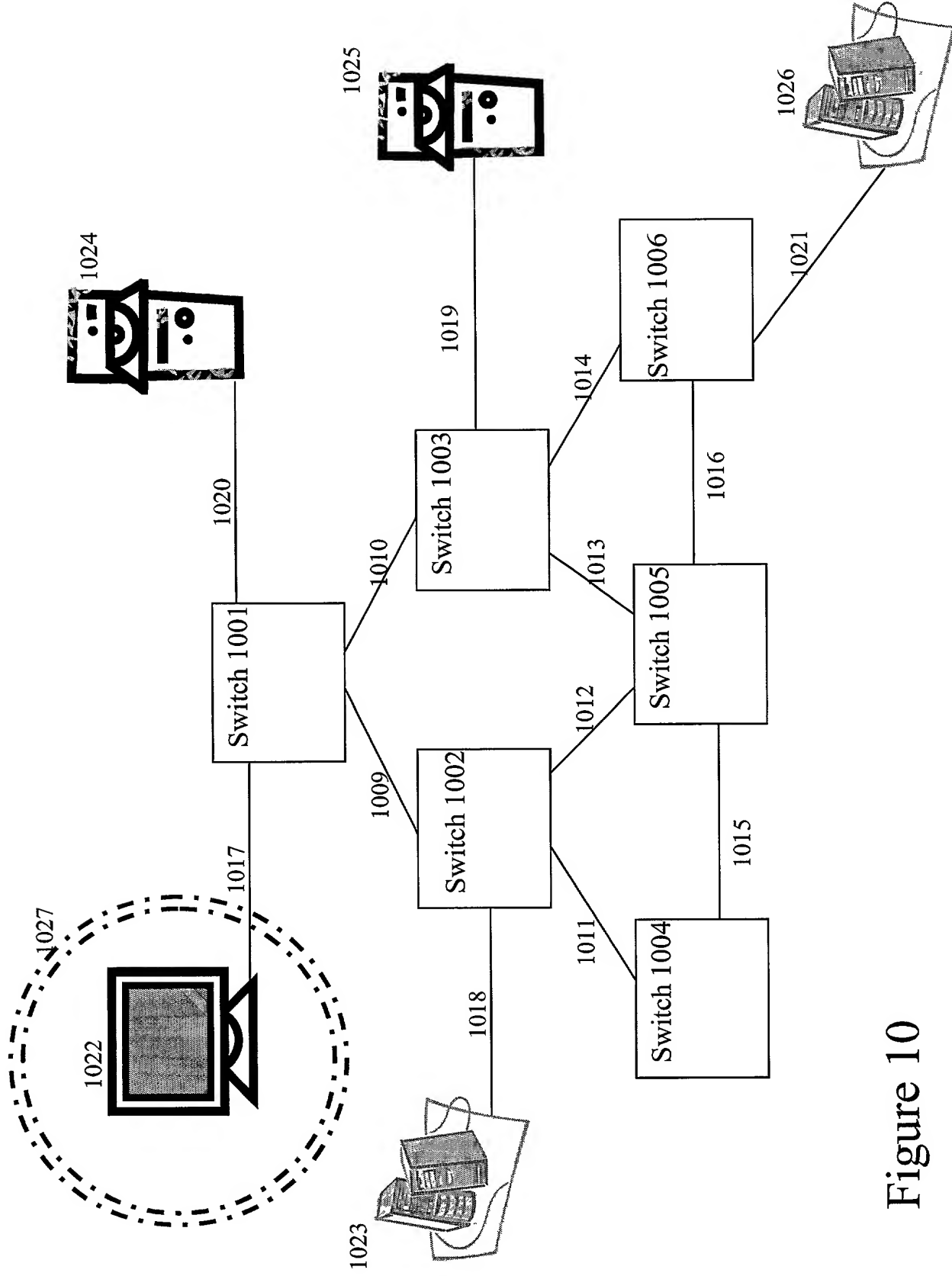


Figure 10

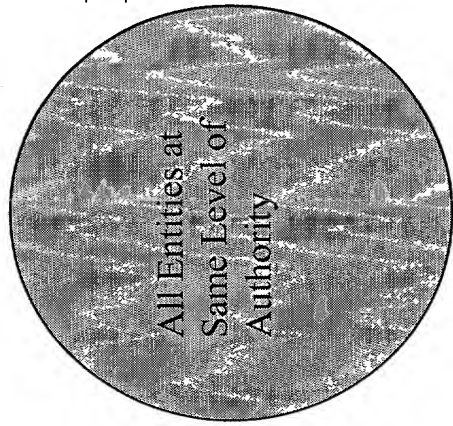


Figure  
11a

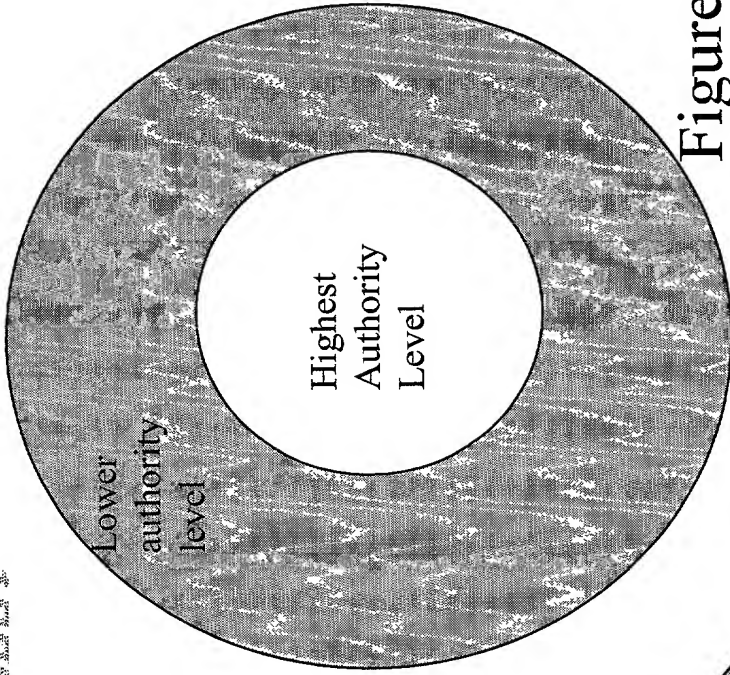


Figure  
11b

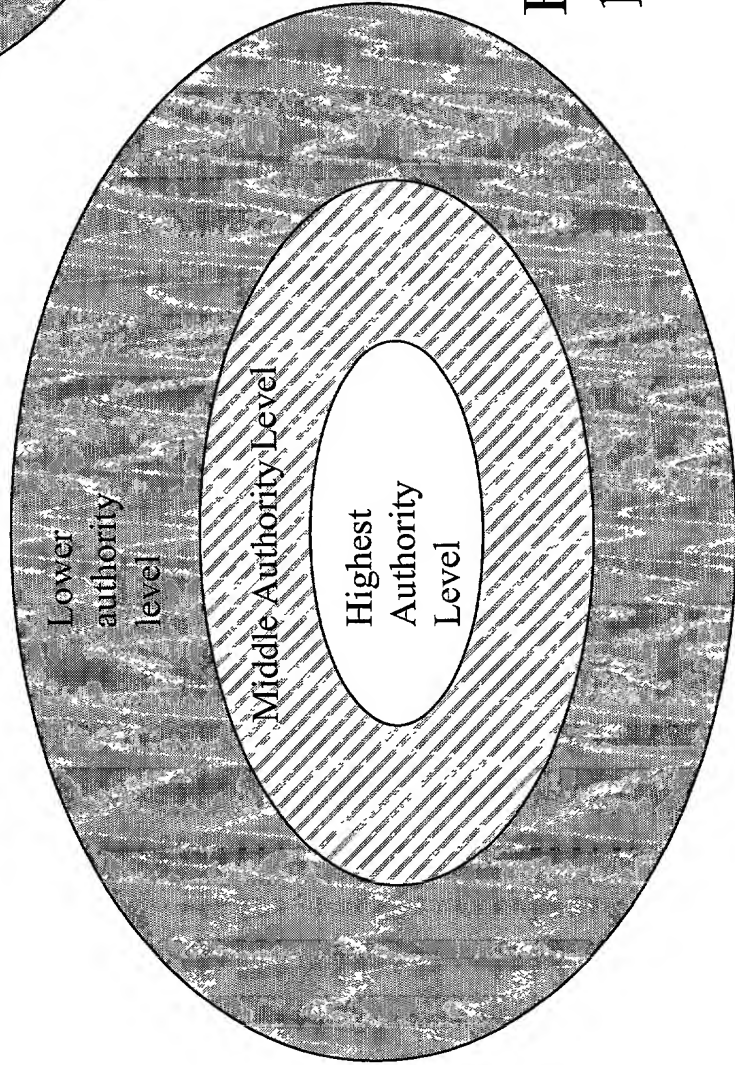


Figure  
11c

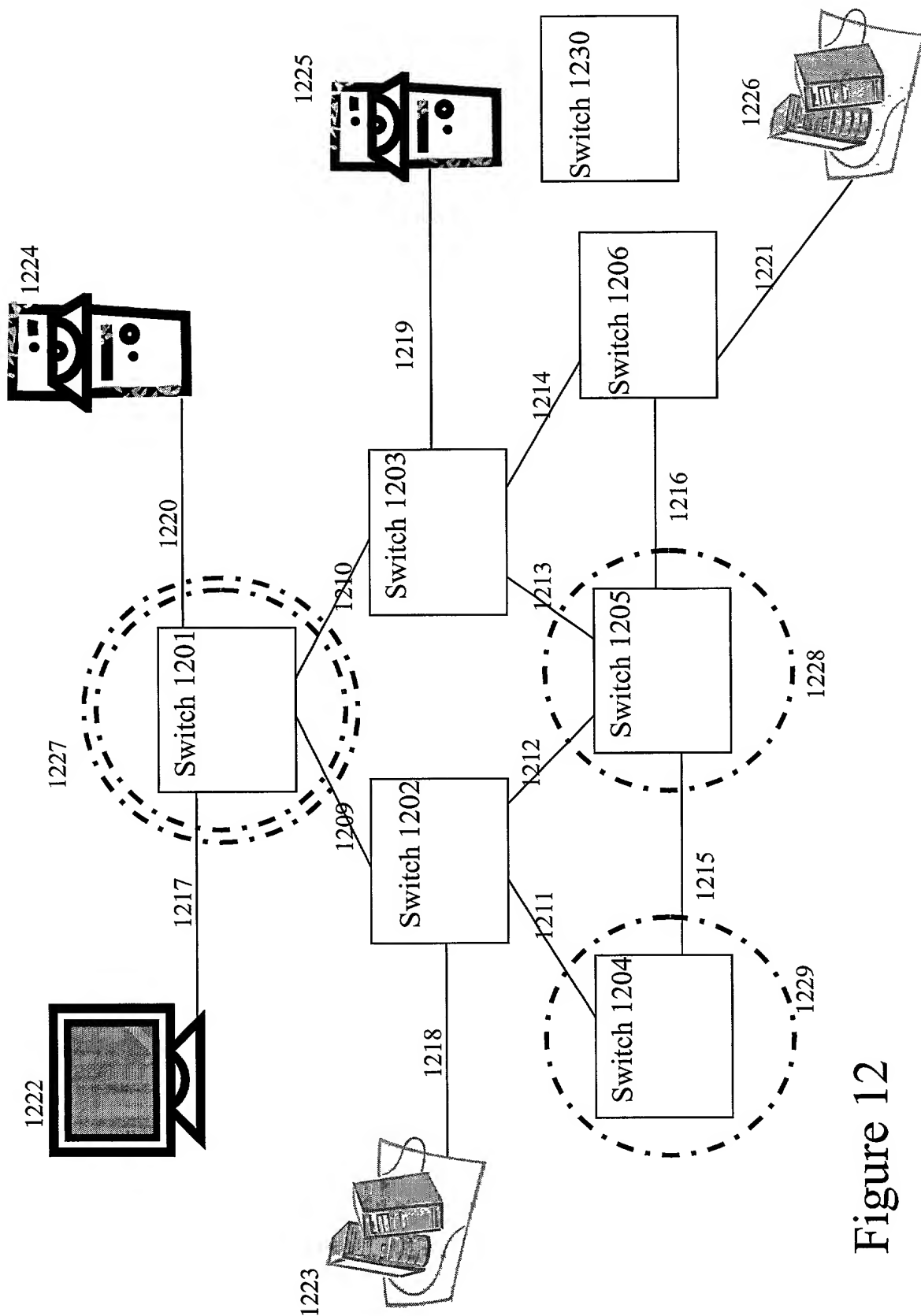
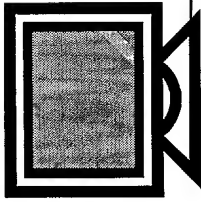


Figure 12

1327

1322



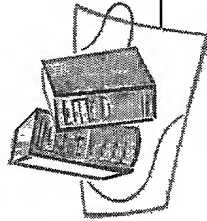
Switch 1301

1320

1324



1323



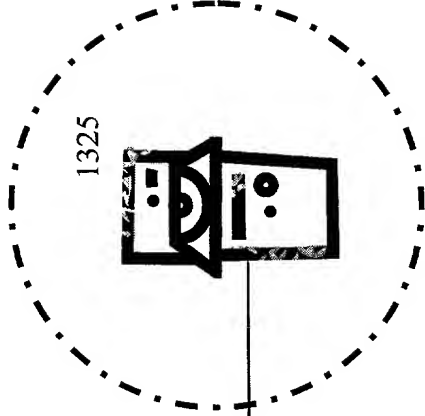
Switch 1302

1318

1310

Switch 1303

1319



1325

1311

Switch 1304

1312

Switch 1305

1315

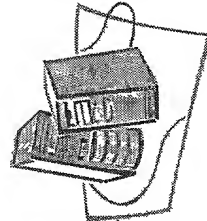
1316

Switch 1306



Counter 1328

1321



1326

Figure 13

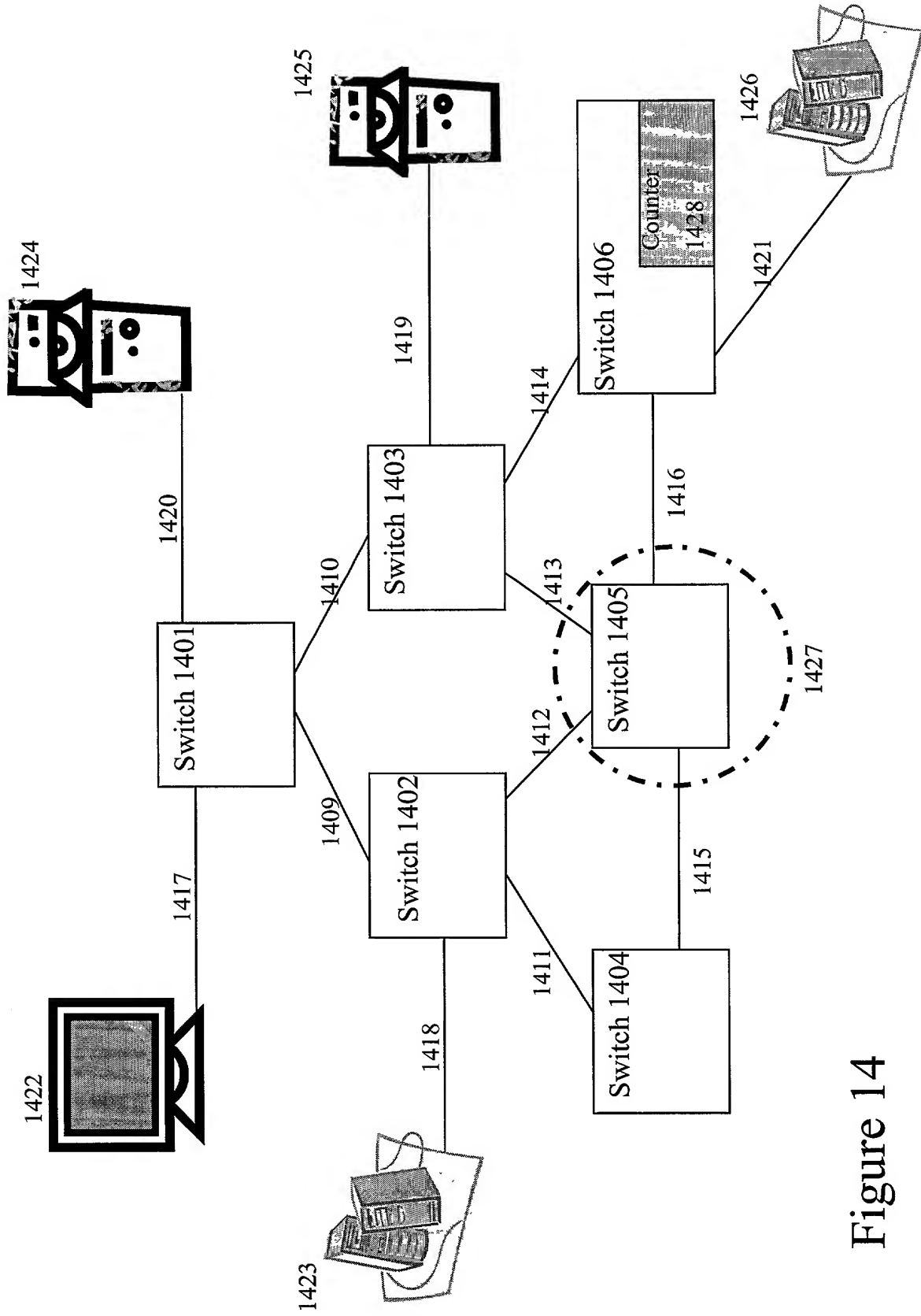


Figure 14

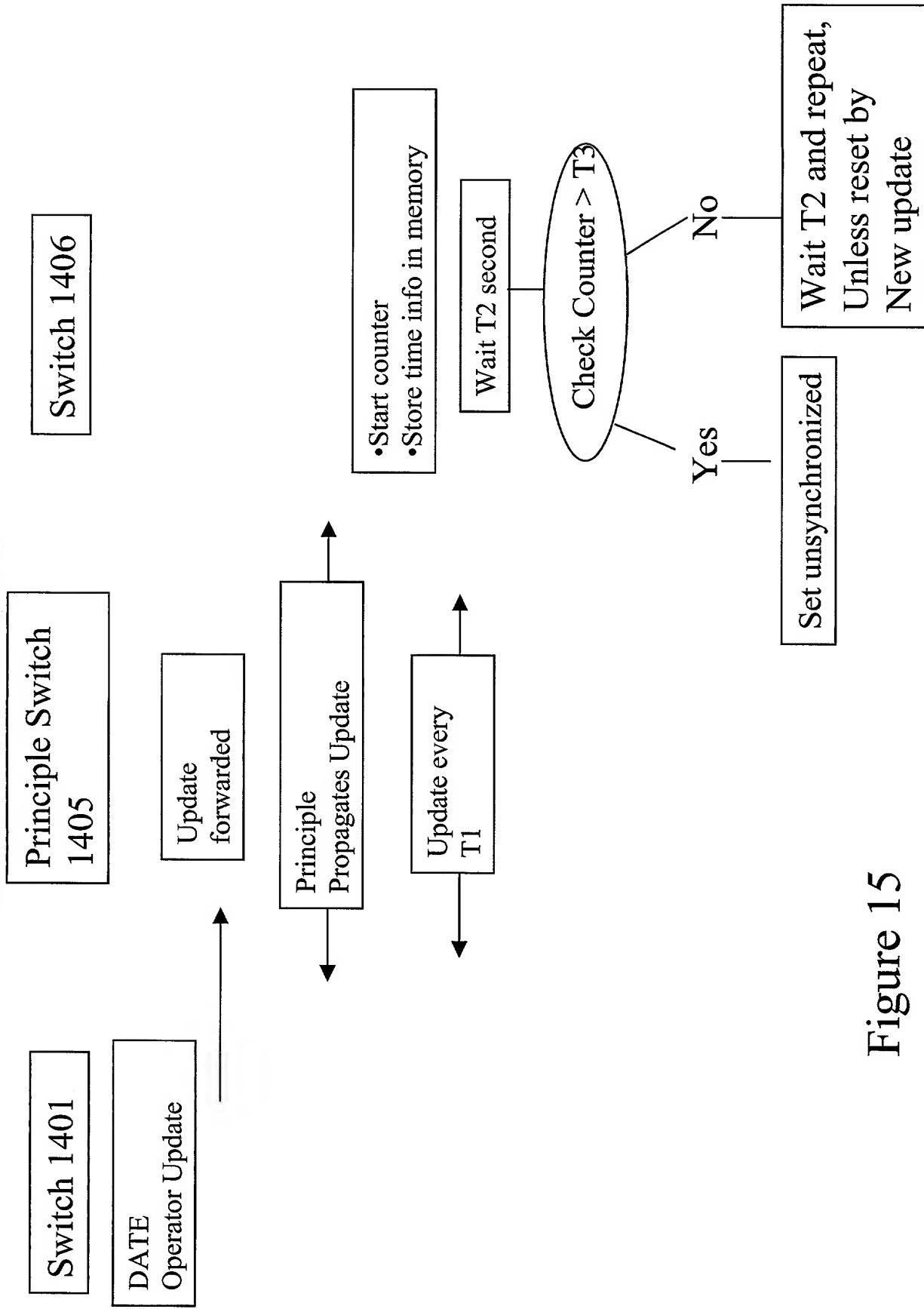
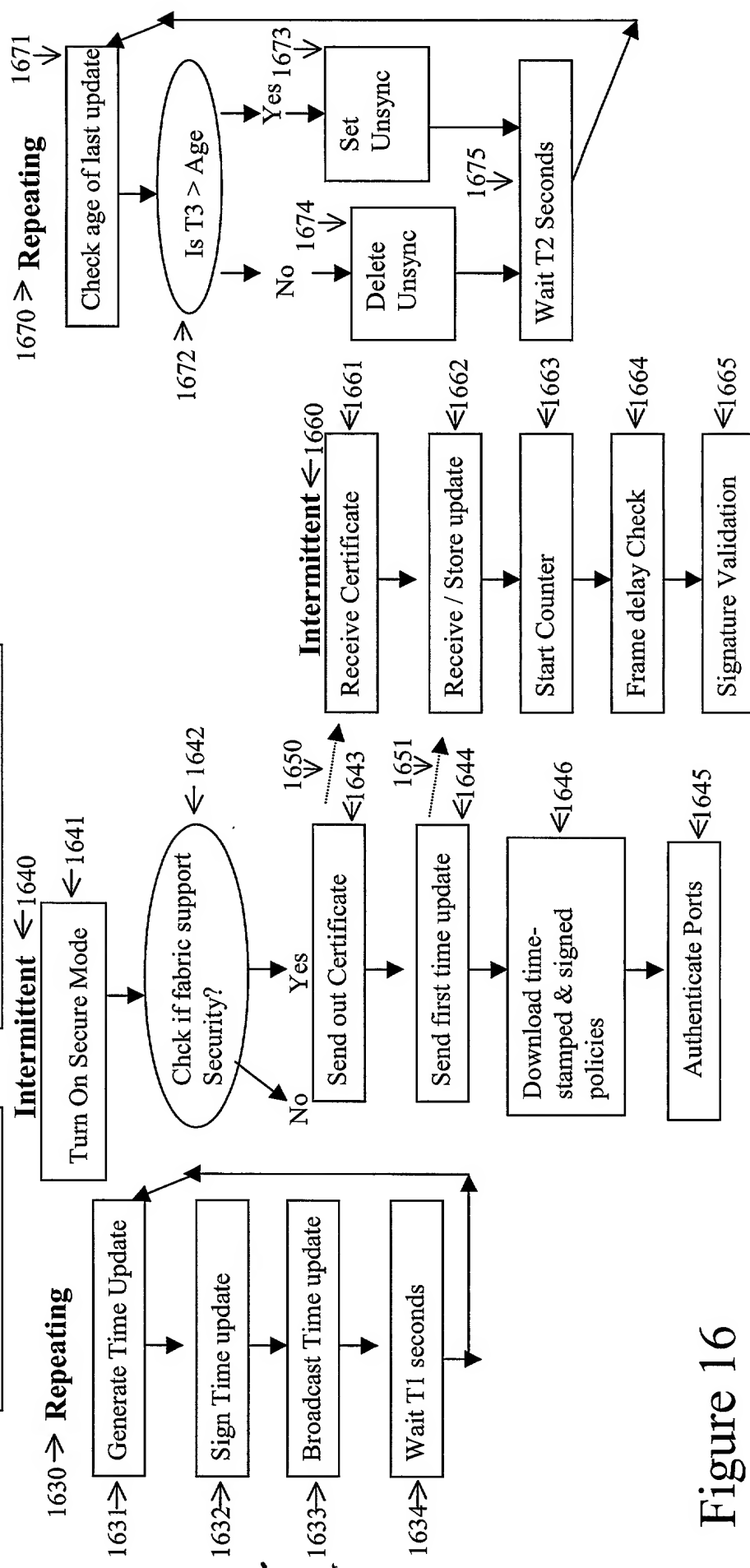
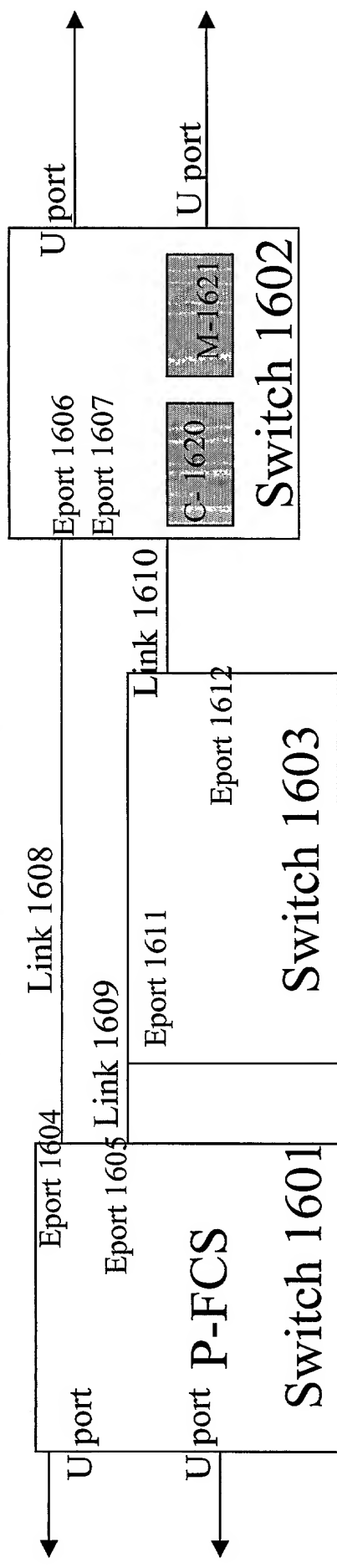


Figure 15





## Figure 16